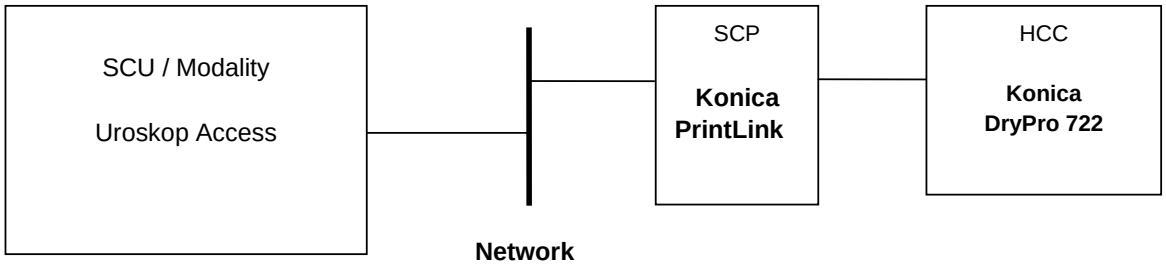
Product:	Uroskop Access
Title:	Specific Hardcopy Camera Information for Konica DryPro 722 / Print Link
Systems affected:	Image System ASPIA
Replaces:	n.a.

1 General Information

1.1 Block Diagram



1.2 Available Film Sizes

Application			Film Type	Medium Type
14"x17"	Portrait	yes	DRYPRO SD-P	blue based
	Landscape	yes		
14"x14"	Portrait	n.a.	n.a.	n.a.
	Landscape	n.a.		
11"x14"	Portrait	yes	DRYPRO SD-P	blue based
	Landscape	yes		
8"x10"	Portrait	n.a.	n.a.	n.a.
	Landscape	n.a.		
others		n.a.	n.a.	n.a.

yes - Film size is available and released
no - Film size is available but not released
n.a. - Film size is not available

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1.3 Restrictions

Only one association is supported.
The camera does not support minimum density command.
The error messages "SUPPLY LOW" and "SUPPLY EMPTY" are not supported.
For HCC-independent restrictions, see also the general restrictions in the document Uroskop Access, General Hardcopy Information.

2 Modality SW Configurations / Parameters

Refer to: Uroskop Access, General Hardcopy Camera Information.

Application Entity Properties	**Display**	**Changes allowed yes/no**
AE Title	PLINK_IN_SCP	Yes
Port Number	104	**No**
Supported DICOM Services	Print	**No**

HC Device / General Settings		**Display**	**Changes allowed yes/no**
Type		DICOM printer	**No**
Class (Printer Spec File Name)		konicaDRYPRO722	**No**
DICOM Node		DP722	Yes
Filming Properties		**Display**	**Changes allowed yes/no**
Hold Printed Film Jobs		10	Yes
Min. Density		0.20	Yes
Pixel Size [1/1000 mm]		80.0x80.0	**No**
Film Sheet Formats, Portrait	**Number of pixels [columns x rows]**	14x17 inches 4272x5112 11x14 inches 3336x4162	In "define new" Do not modify/add Select only Delete only
Film Sheet Formats, Landscape	**Number of pixels [columns x rows]**	14x17 inches 4424 x 4172 11x14 inches 4272x3224	In "define new" Do not modify/add Select only Delete only
Medium Type		Bluefilm	Yes
Film Destination		Processor	No
Color Appearance		Monochrome	**No**
Background		Black	Yes
Transformation		No magnification	**No**

Note: Do not modify and/or add film sizes.
Do not modify pixel sizes.
Delete film sizes that are not available at the customer site.

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3 Hardcopy Camera, Configuration

3.1 Identification

Device Type:	**DICOM Print Server (SCP)**	**Printer**
Manufacturer / Device Name:	Konica / Printlink IN	Konica / DRYPRO 722
HW Revision	Printlink 1	n.a.
SW Revision:	1.20 R02	1.23 R05
Image Memory:	4oMB RAM	80MB RAM
Hard Disk:	8 GB Hard disk	n.a.
Number of Operating Panels:	1 keypad	1
No./Type of Input:	1 / Ethernet	1 / Ethernet
No./Type of Output:	1 / DICOM—1 Dig.SPDI	n.a.
Physical Network Interface:	10 / 100 BaseTX	10 BaseTX / 100 BaseTX
Network Protocol:	TCP/IP	TCP/IP
DICOM Conformance Statement:	DICOM 3.0 Print SCP Conformance Statement Ver.1.02 17.3.2001	Operation Manual Code No.: 0452

3.2 SCP / Printer Settings (provided by Konica)

File name	Content	Remarks
No config files available	Copies – 1 Min.Density – 20 Max.Density – 300 Border Density – 320 Empty Image Density – 320 Polarity – Positive	Printer default settings: This can be done only by Konica Service.
	Protocol Name – DICOM PRINT OUT Printer Name – DRYPRO Connect Imager – DRYPRO Stretch Base – No Stretch Stretch Mode – Bilinear Film Type1 – Blue Film Type2 – Blue Max Density – Drypro Output Kind – Bin_XX	Default configuration of Printlink: This can be done only by Konica Service.
	PRINT CONDITION: Input Modality = LIN DP Output Imager = D LIN Lut No. = 1 Density = 0 Contrast = 0 Smooth = 1 Polarity = POSI Border = BLAK Trim = Off Stamp = (All deselected)	DICOM Printlink Keypad settings: using PRINT CONDI.key Note: LIN DP / D LIN is a specific Printlink configuration to allow a linear camera LUT (which is defined by the DICOM max. density command).

Note: Only 1 association is possible, with multiple port assignments.

3.3 Error and Warning Messages

See DCS of Printer (SCP) and Modality (SCU)

Printer (SCP) defined message	Displayed message at modality (SCU)
Printer Init	Check camera
Printer down	Connection to camera is not available
Cover Open	Check camera

No other errors or warnings have been tested.

4 Image Quality and Optical Density

4.1 Reference Film and LUT

Released Film Type	**DRYPRO SD-P**	blue based medium type

Refer to: Uroskop Access, General Hardcopy Camera Information.

Real Size Scaling

n.a.

5 Abbreviations

DCS	DICOM Conformance Statement
DICOM	Digital Imaging and Communication in Medicine
HW / SW	Hardware / Software
HCC	Hardcopy Camera
LUT	Look Up Table
OEM	Original Equipment Manufacturer
SCP	Service Class Provider
SCU	Service Class User
TCP/IP	Transfer Control Protocol / Internet Protocol

6 Changes to Previous Version

n.a..

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